

Q1 Minum & paining little in I also called as triumers weight spanning there is a subset of edges of a connected to edge-unglited undureted graph that connected all the vertices possible that edge meight.

Application &

earleads isparring several cities then we can use the compt of min, spanning tree.

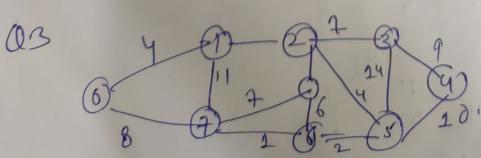
Design LAN. Laying fifelier counciting affshore duilling sites,

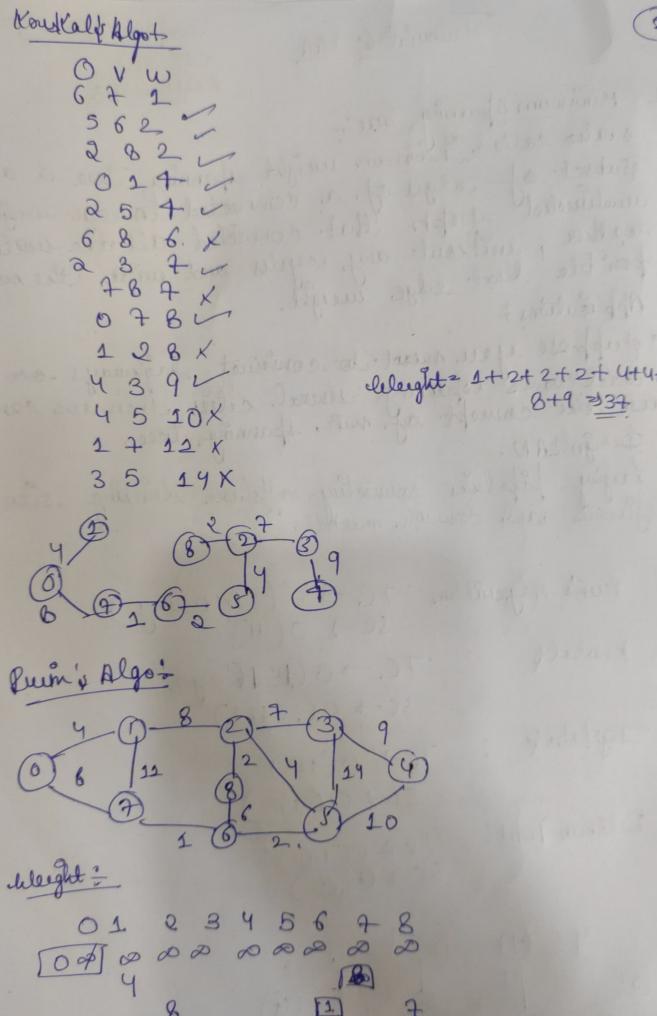
buen's Algorithm: TC > 0 ((U+G) log)
SC -> 0 (U)

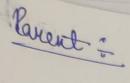
17C → O (181(Desgus)) SC → O (101) Kniskaly

Diji Kotny TC- O(U2) SCHO(02)

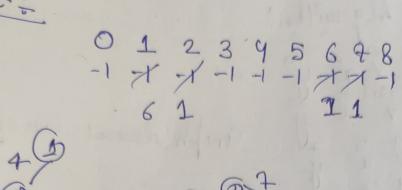
Bellman-ford! 70-20 (UE) SC-30 (C-)

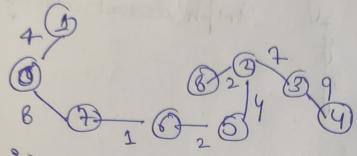










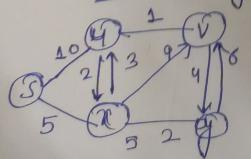


The shoulest fath may shanges. The season is there may be diff, no. of edges in different parts your state.

For Ex: Let shoutut path be of weight 15 and has edge S. Lot there be another path with edge to that weight 25. The weight of the shoutest path is increased becomes 15+50. Weight of the other path is increased by 2*10 and becomes 25+20 so the shoutest fath alarges to the other path with weight as 45.

forth don't shange. The seeason is simple, weight of all fath from stort, aget multiplied by the same amount. The no of edges on a fath clan't mattern. It is like shanging limits of weight,

Anst Dijoketouk Algo:





arafin doesnot have ayely